

REMARKS

Claims 1-20 are in the application, of which Claims 1, 6 and 11 are the independent claims. Claims 1, 3-6, and 8-15 have been amended. New Claims 16-20 have been added. Reconsideration and further examination are respectfully requested.

No new matter is believed to have been introduced to the application by this amendment. The subject matter added to the claims is fully supported by the original disclosure, including, for example, the specification at page 3, lines 17-26, page 21, line 20 through page 23, line 12, page 29, lines 3-4, the abstract, and the original claims.

The specification has been amended to correct a minor grammatical error and to include the language of the Claims 1, 6 and 11 into the summary section of the present invention in a normal sentence format.

In the Office Action, Claims 1-15 were rejected under 35 U.S.C. 103(a) over “Generalized Emulation Services for Mach 3.0” (Julin) in view of the definition of Unix and further in view of Japanese Patent Application Publication No. 06-301555 (Roux). Reconsideration and withdrawal of the these rejections are respectfully requested.

As for the Examiner’s request for a complete translation of Roux, Applicants note that U.S. Patent No. 5,764,984 (a continuation of U.S. Patent Application No. 93/23,666, filed Feb. 26, 1993, from which Roux claims priority) appears to be related to Roux. Because related U.S. patent and application in English language are readily available, no translation is submitted.

The present invention generally concerns a method and apparatus for displaying application program information in a windowing environment. With reference to particular

claim language, independent Claim 1 is directed to a terminal for displaying application program information in a windowing environment. The terminal comprises a processor adapted to receive windowing information supplied by application programs executing on an application server.

The application programs are resident on the application server. The terminal further comprises a display configured to display the windowing information supplied by the application programs executing on the application server and means for simultaneously maintaining more than one connection for the application programs between the terminal and server.

Independent Claim 6 is directed to a utility for displaying application program information in a windowing environment on a terminal having a processor. The utility comprises an application server for executing application programs resident on the server and for supplying windowing information of the application programs to the terminal. The utility further comprises means for simultaneously maintaining more than one connection for the application programs between the terminal and server. The terminal has a display configured for displaying the windowing information.

Independent Claim 11 is directed to a method for displaying application program information in a windowing environment. The method comprises the steps of: receiving at a terminal windowing information supplied by application programs executing on a remotely located application server; displaying the windowing information supplied by the application programs executing on the remotely located application server; and simultaneously maintaining more than one connection for the application programs between the terminal and server. The application programs are resident on the application server.

The applied references are not understood to disclose or suggest the features of Claims 1, 6 and 11, particularly with respect to at least the features of: a terminal comprising a processor adapted to receive windowing information supplied by application programs executing on an application server, the application programs resident on the application server, and means for simultaneously maintaining more than one connection for the application programs between the terminal and server, as recited in Claim 1; a utility comprising an application server for executing application programs resident on the server and for supplying windowing information of the application programs to the terminal, and means for simultaneously maintaining more than one connection for the application programs between the terminal and server, as recited in Claim 6; and receiving at a terminal windowing information supplied by application programs executing on a remotely located application server, the application programs resident on the application server, and simultaneously maintaining more than one connection for the application programs between the terminal and server, as recited in Claim 11.

Turning to the applied references, Julin—which appears to be the main reference relied upon in the Office Action—is directed to generalized emulation services for Mach 3.0. Julin discloses building emulators for various operating systems. See Abstract. Assuming, arguendo, the definition of emulator stated in Microsoft Computer Dictionary is applicable here, Julin at best suggests one type of computer or component to act as if it were another. In other words, Julin at best suggests a computer running on one type of operating system to act as if it were running on another type of operating system.

The Office Action states: “Julin provides for his system to function asynchronously . . . and the transparent feature (simultaneous) . . . are considered to provide proof of the simultaneous feature.” The Office Action also anticipates that Applicants may not agree with

this interpretation. As for the asynchronous feature, Julin discloses “asynchronous notifications,” which Applicants understand to mean notifications that are not synchronized. See page 9, third bullet. As for transparency, Julin discloses “transparently forward some invocation,” which Applicants understand to mean sending some invocation transparently to a user. See page 11, last paragraph. Applicants do not understand how notifications that are not synchronized and how sending certain invocation transparently to a user can possibly relate to simultaneously maintaining more than one connection.

In the present application, the application programs are resident on an application server, and the application server executes the application programs. A terminal receives windowing information supplied by the application programs which are resident on and executed on the application server. In addition, multiple connections for the application programs are simultaneously maintained between the terminal and server.

Julin discloses a computer running on one type of operating system to act as if it were running on another type of operating system. Julin, however, does not disclose or suggest how a terminal and an application server operate together or how a terminal can use application programs that are resident on an application server, let alone any of the features described below. Juln does not disclose or suggest application programs that are resident on an application server and that are executed on the application server. Julin does not disclose or suggest a terminal receiving windowing information supplied by the application programs resident on and executed on the application server. Furthermore, Julin does not disclose or suggest simultaneously maintaining multiple connections for the application programs between the terminal and application server.

Roux does not remedy the foregoing deficiencies of Julin. Roux is seen to disclose a plurality of operating systems. See Abstract. Even if assuming, arguendo, Julin can be combined with Roux, the combination produces at best a computer acting as if it were running on one type of operating system or running on another type of operating system. Like Julin, Roux does not disclose or suggest how a terminal and an application server operate together or how a terminal can use application programs that are resident on an application server, let alone any of the features described below. Roux does not disclose or suggest application programs that are resident on an application server and that are executed on the application server. Roux does not disclose or suggest a terminal receiving windowing information supplied by the application programs resident on and executed on the application server. Furthermore, Roux does not disclose or suggest simultaneously maintaining multiple connections for the application programs between the terminal and application server.

Accordingly, the applied references, either alone or in combination, are not understood to disclose, teach, or suggest the features of independent Claims 1, 6 and 11, which are believed to be in condition for allowance.

The other claims currently under consideration in the application are dependent from the independent claims discussed above and therefore are believed to be allowable over the applied references for at least the same reasons. Because each dependent claim is deemed to define an additional aspect of the invention, the individual consideration of each on its own merits is respectfully requested.

In view of the foregoing amendments and remarks, the entire application is believed to be in condition for allowance and such action is respectfully requested at the Examiner's earliest

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convenience. Applicants' undersigned attorney may be contacted at the address and telephone number set forth below.

To the extent necessary, a petition for an extension of time under 37 C.F.R. 1.136 is hereby made. Please charge any shortage in fees due in connection with the filing of this paper, including extension of time fees, to Deposit Account 502203 and please credit any excess fees to such deposit account.

Respectfully submitted,

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